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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,012	06/06/2001	Shigehiro Kadota	35.C15407	7491

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FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

NGUYEN, JENNIFER T

ART UNIT PAPER NUMBER

2674

8

DATE MAILED: 03/31/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/874,012

Applicant(s)

KADOTA ET AL.

Examiner

Jennifer T Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. This Office action is responsive to amendment filed on 01/26/2004.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Aratani et al. (U.S. Patent No. 6,538,675).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C.

102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention “by another,” or by an appropriate showing under 37 CFR 1.131.

Regarding claims 1, 6, and 11, referring to Figs. 1 and 4A-8B, Aratani teaches a display apparatus (31) displaying images from a plurality of information processing apparatuses (1-1 to 1-4), comprising: image inputting means (2-1 to 2-4) for inputting respective image signals from the plurality of information processing apparatuses (1-1 to 1-4); display controlling means (6) for constructing on a display screen display regions (13) in which respective image signals from the

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plurality of information processing apparatuses (1-1 to 1-4) are displayed; inputting means (21) for inputting a signal containing coordinate information; determining means (14) for determining an information processing apparatus (1-1 to 1-4) to which the input signal is sent, based on the input signal inputted by the inputting means (21); and communication means (i.e., USB) for sending the input signal to the information processing apparatus determined by determining means (from col. 4, line 8 to col. 5, line 65, from col. 7, line 45 to col. 8, line 31, from col. 9, line 39 to col. 10, line 47, from col. 11, line 27 to col. 12, line 15, and from col. 15, line 35 to col. 16, line 60).

Regarding claims 2 and 7, Aratani further teaches the determining means (14) determines an information processing apparatus (1-1 to 1-4) to which the input signal is sent, based on the coordinate on the display screen (13) indicated by said input signal (from col. 9, line 39 to col. 10, line 47).

Regarding claims 3 and 8, Aratani further teaches the display controlling means (6) displays on a first display region (1-1) (Fig. 2) an image signal from a first information processing apparatus (1-1), and displays on a second display region (1-2) (Fig. 2) at least one image signal from a second information processing apparatus (1-2) in the first display region (from col. 4, line 8 to col. 5, line 65).

Regarding claims 4 and 9, Aratani further teaches the display controlling means (6) divides said display screen into screens (A, B, C, and D) (Fig. 4A), the number of which is equal to the number of said plurality of information processing apparatuses (1-1 to 1-4), to construct display regions in which respective image signals from the plurality of information processing apparatuses are displayed (from col. 11, line 27 to col. 12, line 15).

Regarding claims 5 and 10, Aratani further teaches the determining means (14) converts the coordinate information indicated by said input signal into absolute coordinate information of a display region corresponding to the information processing apparatus to which the input signal is sent (from col. 9, line 39 to col. 10, line 47).

Regarding claim 12, referring to Figs. 1 and 4A-8B, Aratani teaches a display apparatus (31) performing display based on a first image signal, which is an image signal from a first information processing apparatus (1-1) that performs a predetermined information processing based on a coordinate signal representing a predetermined position on the screen displayed on the basis of a signal outputted by the apparatus, and a second image signal, which is an image signal from a second information processing apparatus (1-2) that performs a predetermined information processing based on a coordinate signal representing a predetermined position on the screen (13) displayed on the basis of a signal outputted by the apparatus, the display device comprising: a receiving circuit (20) receiving said first image signal and said second image signal; a coordinate information receiving circuit (19) receiving signals from a coordinate input device (21) that transforms into a signal an indicated position on a display surface on which a screen based on said first image signal or a screen based on said second image signal or a screen based on both of said first image signal and said second image signal is displayed; a determination circuit (14) determining whether the input signal inputted from the coordinate information receiving circuit is outputted to said first information processing apparatus (1-1) or to said second information processing apparatus (1-2); and a communication circuit (i.e. USB) sending said input signal to the information processing apparatus determined by said determination circuit (14) (from col. 4, line 8 to col. 5, line 65, from col. 7, line 45 to col. 8, line

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31, from col. 9, line 39 to col. 10, line 47, from col. 11, line 27 to col. 12, line 15, and from col. 15, line 35 to col. 16, line 60).

Regarding claim 13, Aratani further teaches that the apparatus further comprising said coordinate input device (21) (Fig. 1).

Regarding claim 14, Aratani further teaches the coordinate input device (21) is provided in such a manner that the coordinate device is placed over said display surface (13) (from col. 7, line 45 to col. 8, line 31).

Regarding claims 15 and 16, Aratani further teaches coordinate input device (21) electrically reads the indicated position on said display surface (13) (from col. 9, line 39 to col. 10, line 47).

Regarding claims 17-21, Aratani further teaches the determination circuit (14) determines an information processing apparatus (1-1 to 1-4) to which said input signal is sent, according to information that is given externally (from col. 9, line 39 to col. 10, line 47).

Regarding claims 22-31, Aratani further teaches the determination circuit (14) determines an information processing apparatus (1-1 to 1-4) to which said input signal is sent, based on said input signal (from col. 9, line 39 to col. 10, line 47).

Regarding claim 32, Aratani further teaches further comprising a conversion circuit (3-1 to 3-4) to convert said input signal, so that the information processing apparatus to which said input signal is sent can use the signal sent from this display apparatus without using information indicating where the display region in which the image signal outputted by the information processing apparatus is positioned on said display surface (from col. 4, line 8 to col. 5, line 65).

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4. Applicant's arguments with respect to claims 1-32 have been considered but are moot in view of the new ground(s) of rejection.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Kameda (U.S. Patent No. 5,828,372) teaches information processing system.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jennifer T. Nguyen** whose telephone number is **703-305-3225**. The examiner can normally be reached on Mon-Fri from 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reach at **703-305-4709**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, DC. 20231

Or faxed to: 703-872-9306 (for Technology Center 2600 only)

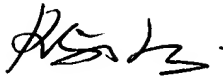
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, sixth-floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is 703-306-0377.

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JNguyen
03/29/04


REGINA LIANG
PRIMARY EXAMINER